Fig. 1

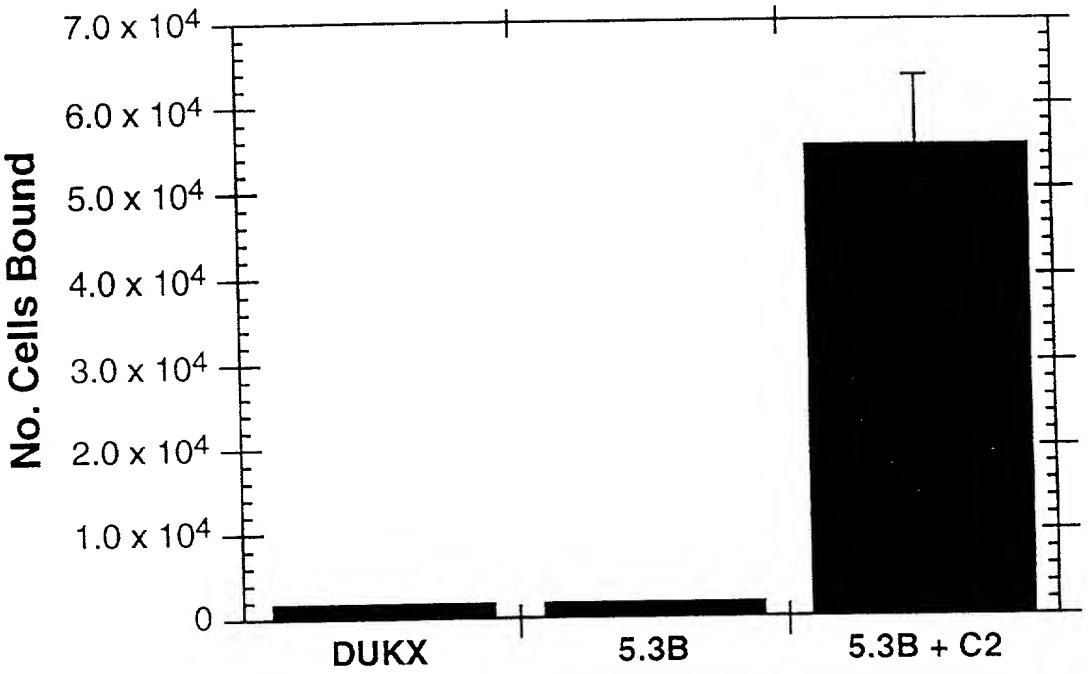

No. Cells Bound
7.0 x 10^4
6.0 x 10^4
5.0 x 10^4
4.0 x 10^4
3.0 x 10^4
2.0 x 10^4
1.0 x 10^4
0
DUKX
5.3B
5.3B + C2

Fig. 2

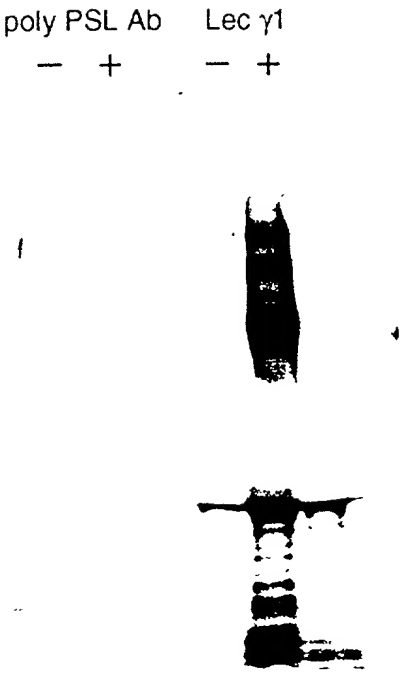


Fig. 3

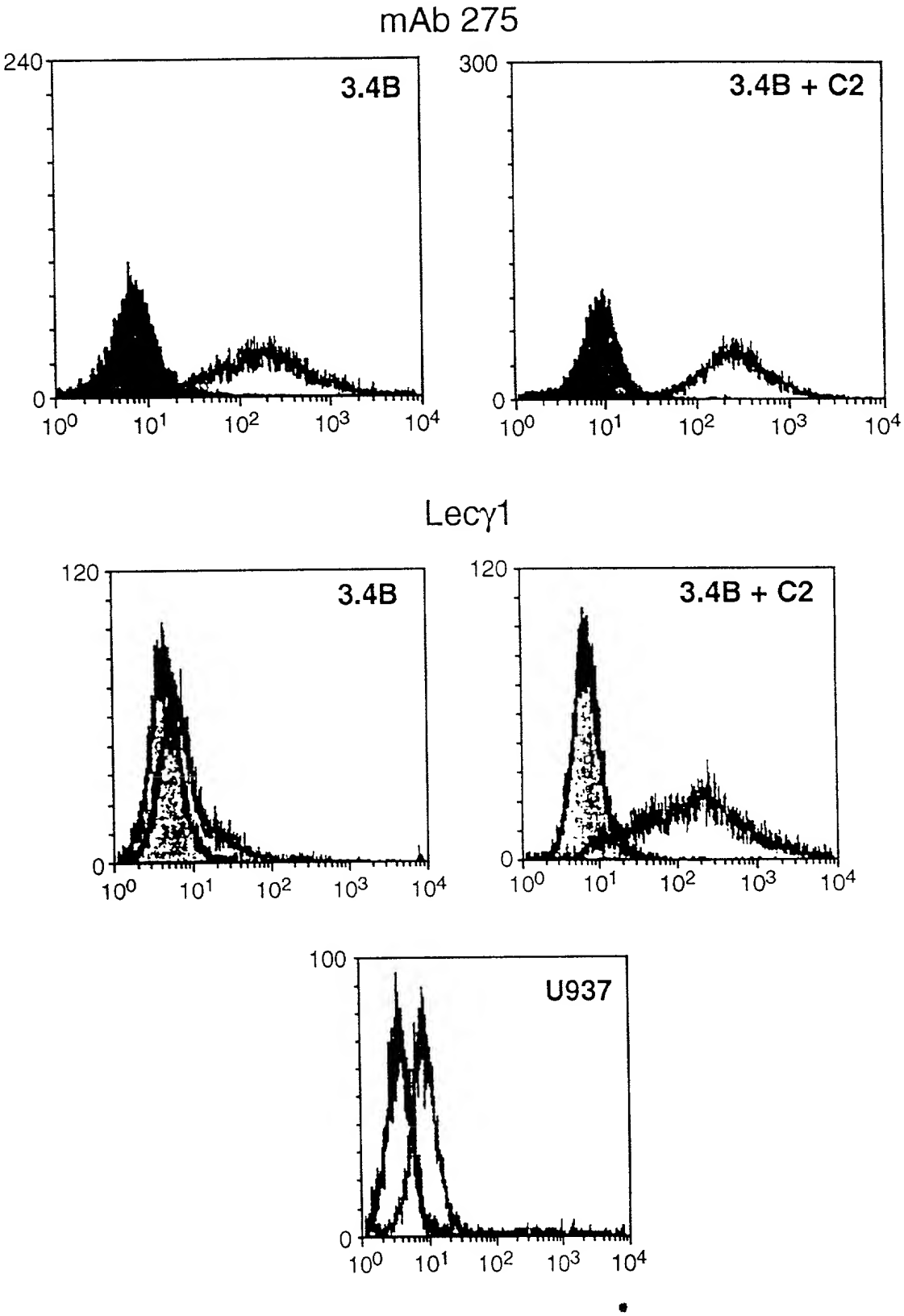

mAb 275
240
3.4B
0
10^0 10^1 10^2 10^3 10^4
300
3.4B + C2
0
10^0 10^1 10^2 10^3 10^4
Lecγ1
120
3.4B
0
10^0 10^1 10^2 10^3 10^4
120
3.4B + C2
0
10^0 10^1 10^2 10^3 10^4
100
U937
0
10^0 10^1 10^2 10^3 10^4

Fig. 4

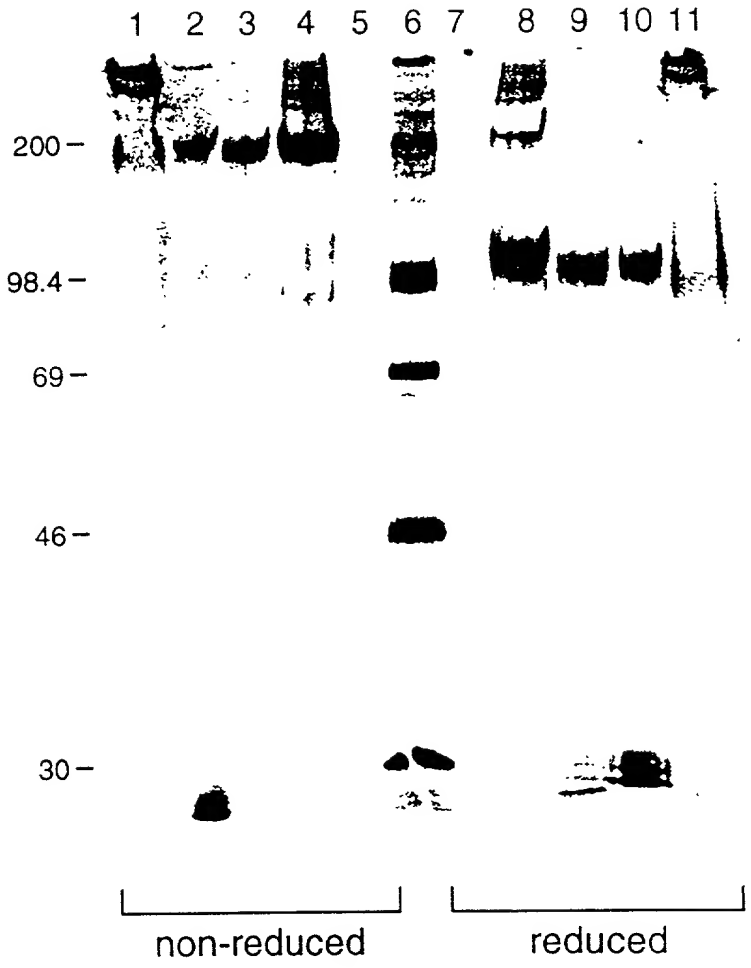
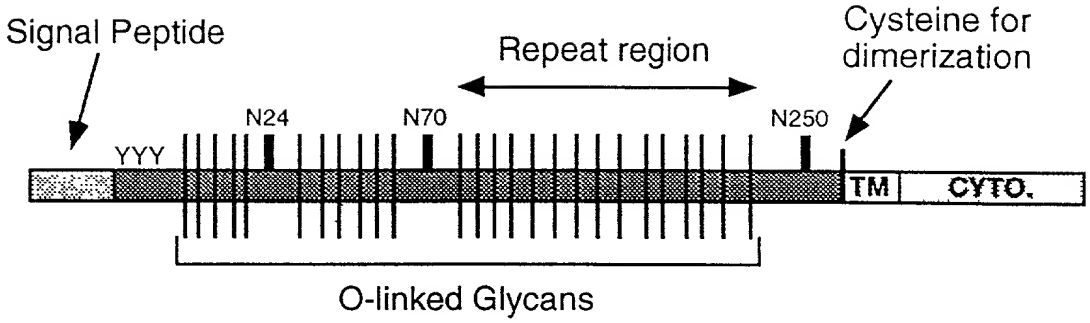


Fig. 5



Soluble "T7" Trucated Form:

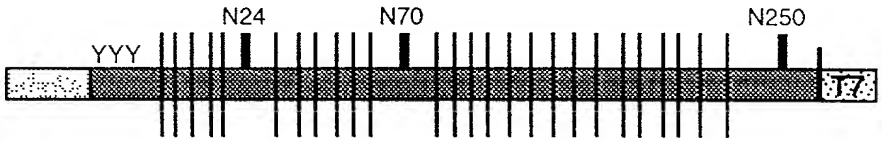


Fig. 6

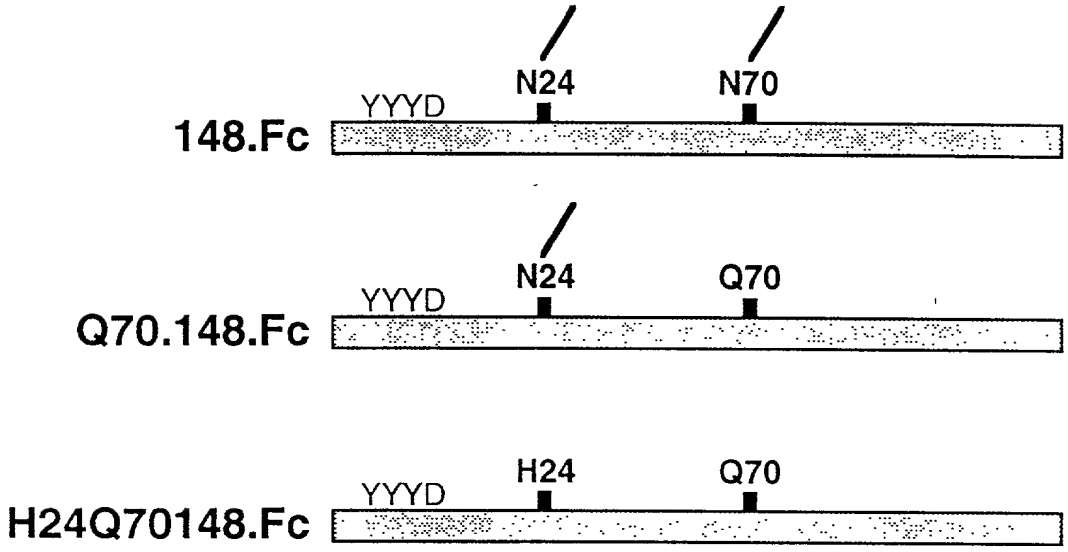
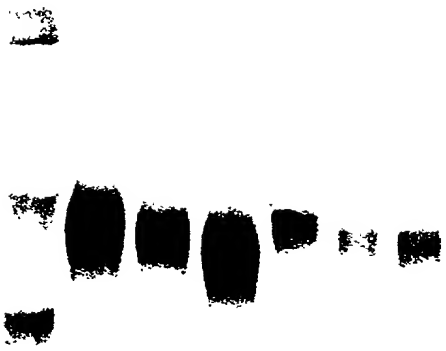

148.Fc
YYYD
N24
N70
Q70.148.Fc
YYYD
N24
Q70
H24Q70148.Fc
YYYD
H24
Q70

Fig. 7

1 2 3 4 5 6



^{35}S-Met Labeled

Captured with Protein A

1. 148.Fc
2. 148.Q70.Fc
3. 148.H24.Q70.Fc

Captured with P-Sel.Fc

4. 148.Fc
5. 18.Q70.Fc
6. 148.H24.Q70.Fc

Fig. 8

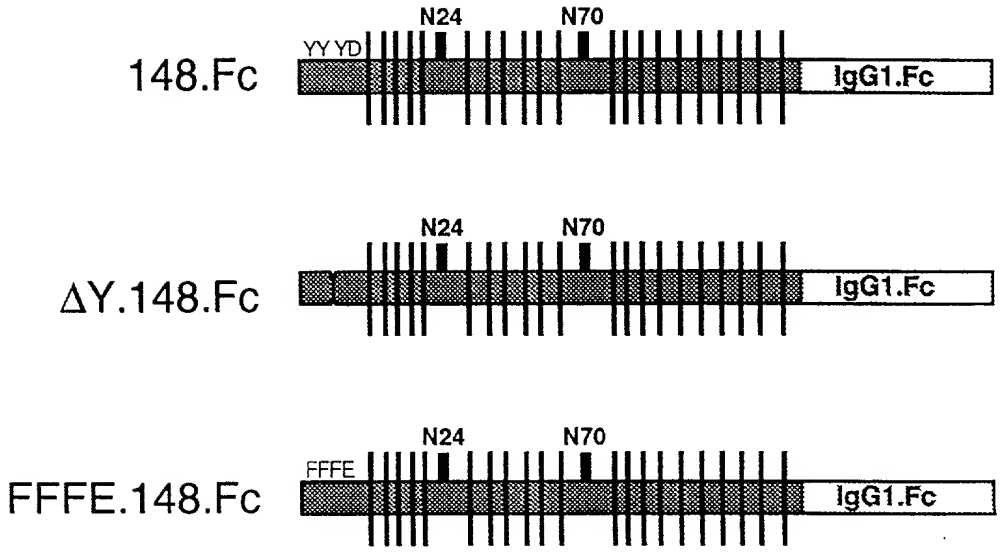
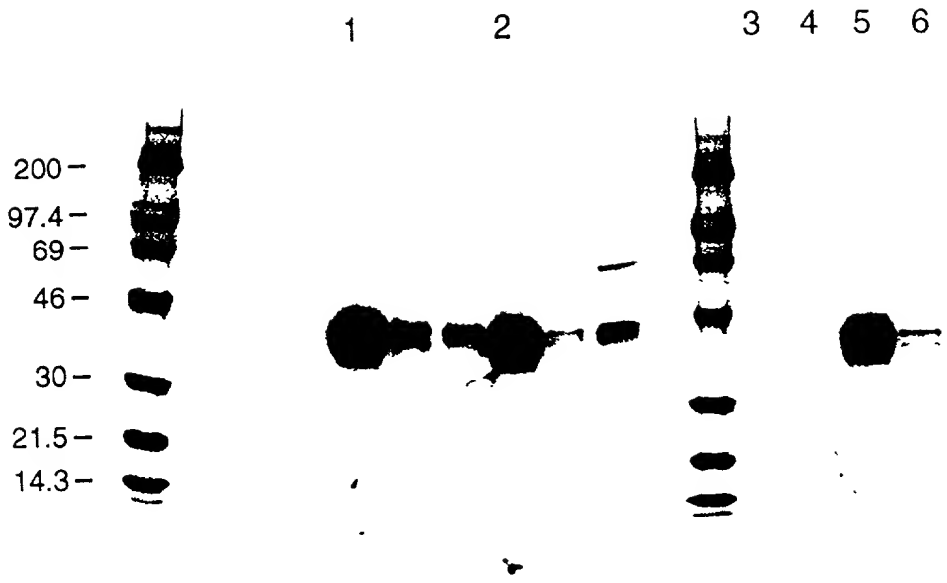

148.Fc
N24
N70
YY YD
IgG1.Fc
ΔY.148.Fc
N24
N70
IgG1.Fc
FFFE.148.Fc
N24
N70
FFFE
IgG1.Fc

Fig. 9

M 1 2 3 4 5 6 7 8

	Sample	Chlorate
M.	mw marker	
1.	YYY.19Fc	–
2.	YYY.19Fc	+
3.	FYY.19Fc	–
4.	FYY.19Fc	+
5.	FFY.19Fc	–
6.	FFY.19Fc	+
7.	FFF.19Fc	–
8.	FFF.19Fc	+

Fig. 10



^{35}S-Met-Labeled

1. FYY.19.Fc
2. FFF.19.Fc

$^{35}SO_4$ Labeled

3. Mock
4. P-Sel.LE.Fc
5. FYY.19.Fc
6. FFF.19.Fc

Fig. 11

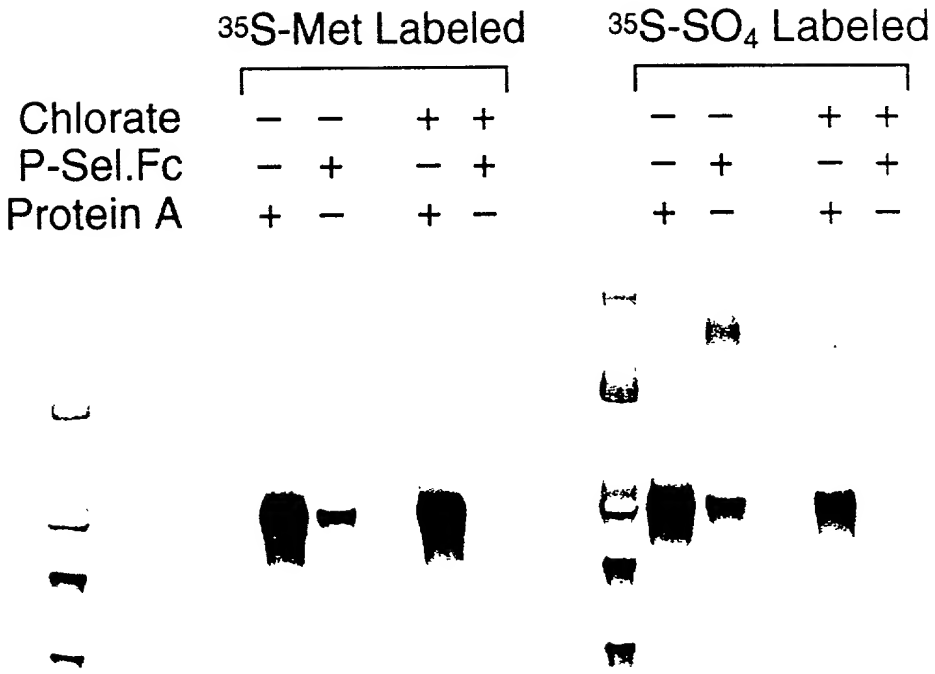
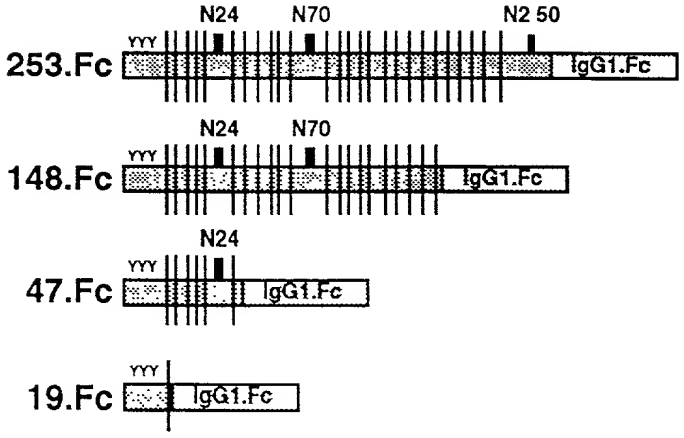


Fig. 12



	Selectin Binding		
	P	E	L
253.Fc	+++	+++	++
148.Fc	+++	+++	++
47.Fc	+++	+++	++
19.Fc	++	+	–

Fig. 13

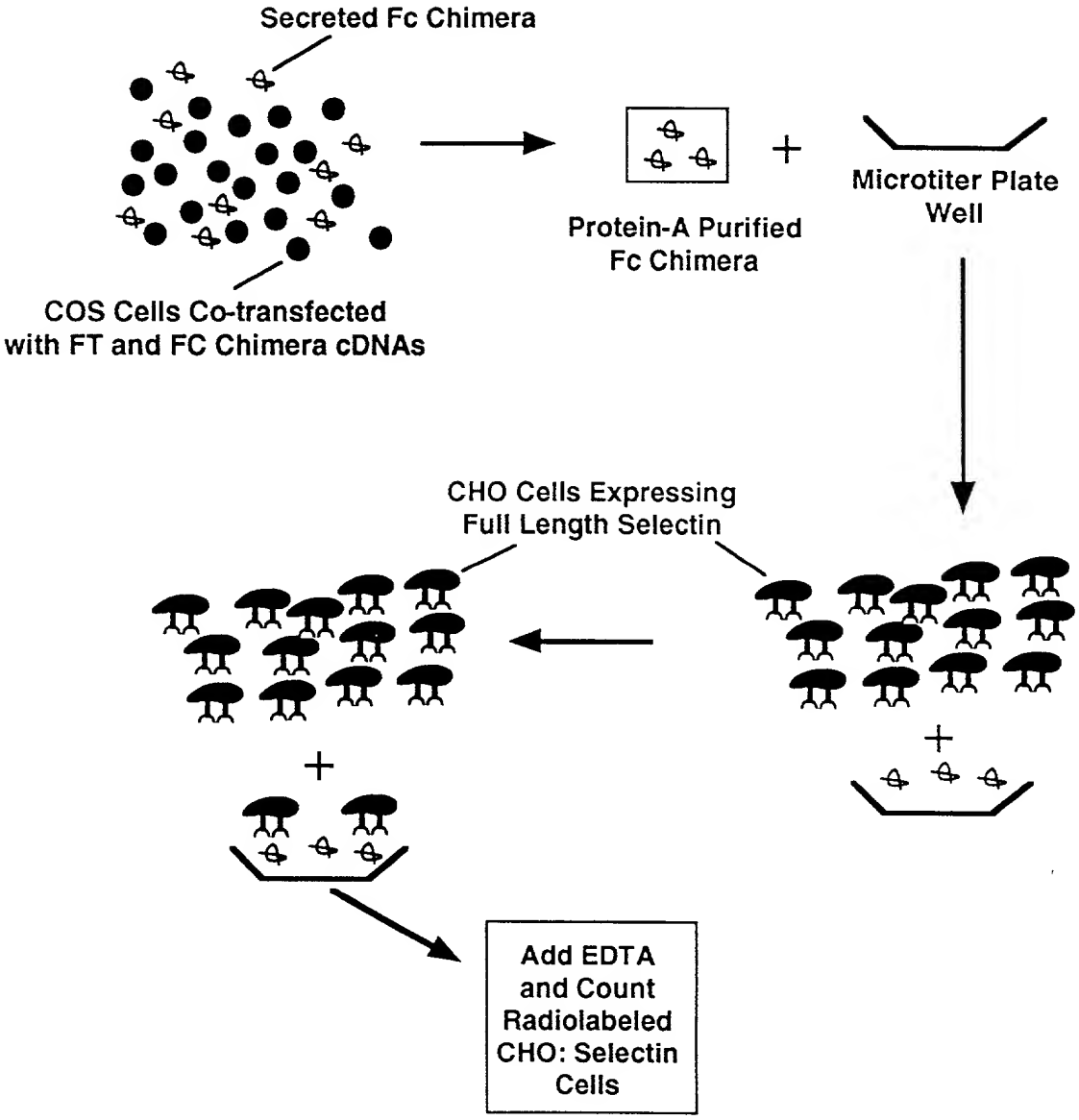

Secreted Fc Chimera
COS Cells Co-transfected with FT and FC Chimera cDNAs
Protein-A Purified Fc Chimera
Microtiter Plate Well
CHO Cells Expressing Full Length Selectin
Add EDTA and Count Radiolabeled CHO: Selectin Cells

Fig. 14

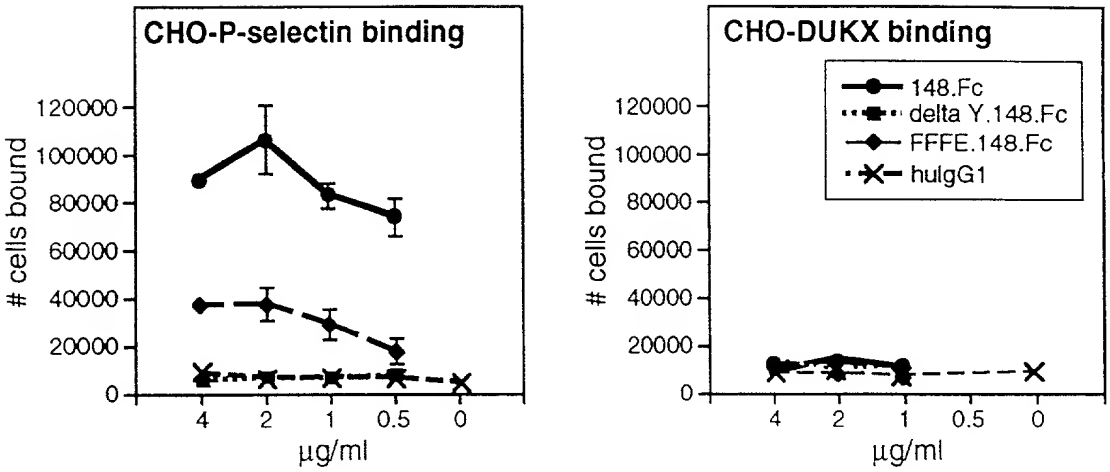

CHO-P-selectin binding
cells bound
120000
100000
80000
60000
40000
20000
0
4
2
1
0.5
0
µg/ml
CHO-DUKX binding
148.Fc
delta Y.148.Fc
FFFE.148.Fc
hulgG1
cells bound
120000
100000
80000
60000
40000
20000
0
4
2
1
0.5
0
µg/ml

Fig. 15

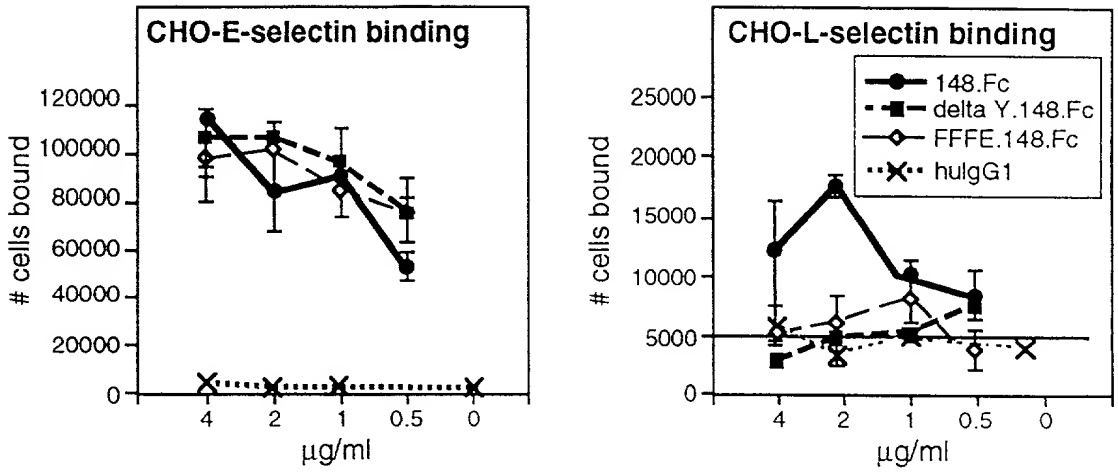
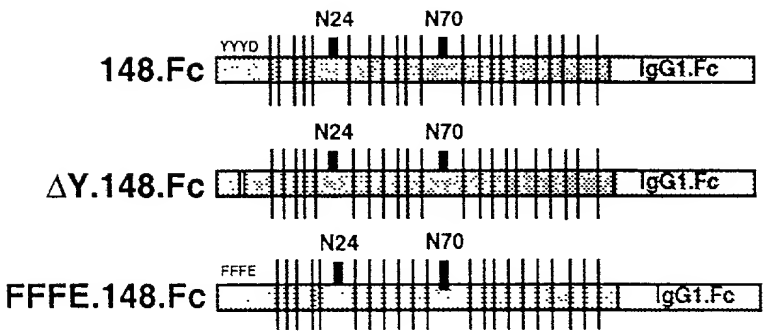

CHO-E-selectin binding
cells bound
120000
100000
80000
60000
40000
20000
0
4
2
1
0.5
0
µg/ml
CHO-L-selectin binding
148.Fc
delta Y.148.Fc
FFFE.148.Fc
huIgG1
cells bound
25000
20000
15000
10000
5000
0
4
2
1
0.5
0
µg/ml

Fig. 16



	Selectin Binding		
	P	E	L
148.Fc	+++	+++	++
ΔY.148.Fc	−	+++	−
FFFE.148.Fc	+	+++	−

Fig. 17

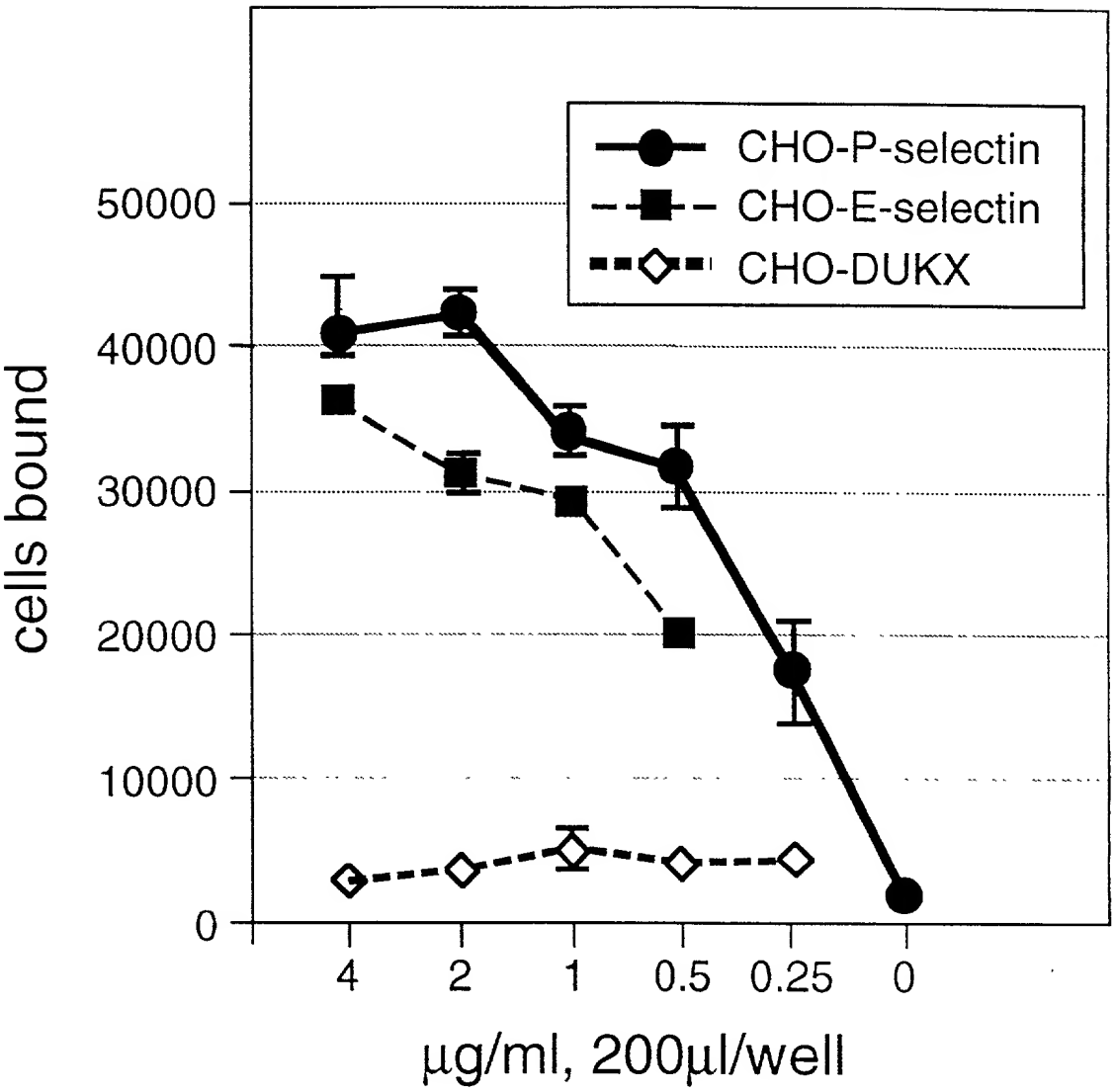

CHO-P-selectin
CHO-E-selectin
CHO-DUKX
cells bound
50000
40000
30000
20000
10000
0
4
2
1
0.5
0.25
0
µg/ml, 200µl/well

Fig. 18

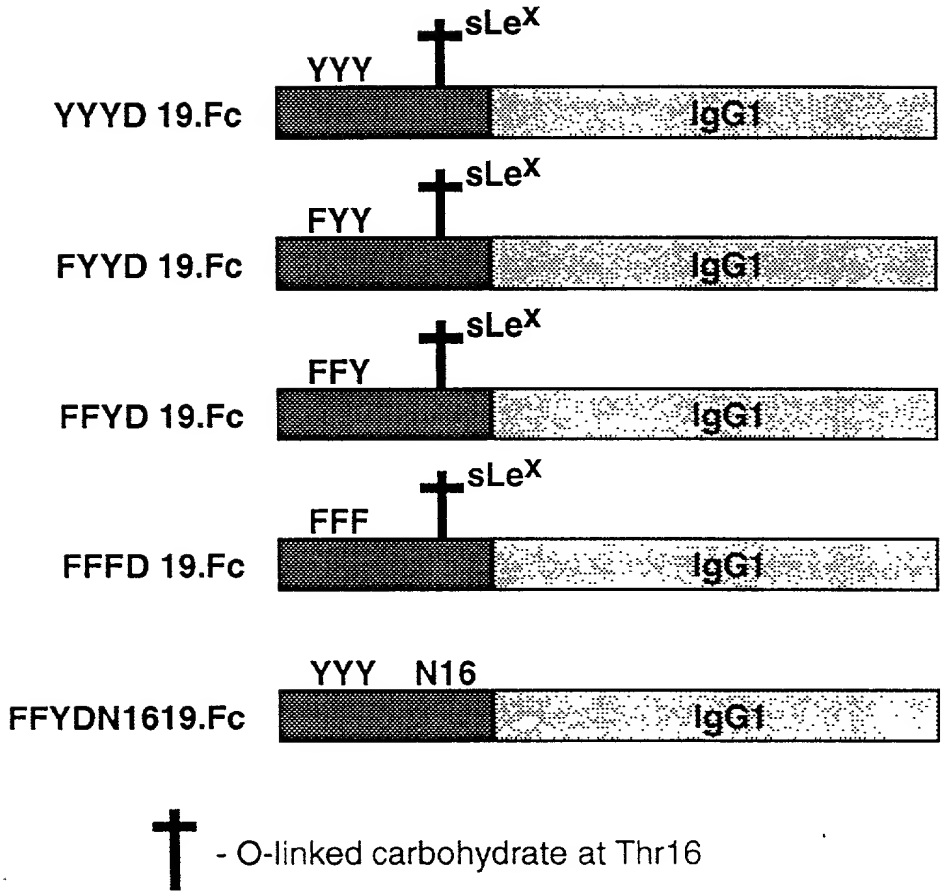

sLeX
YYY
YYYD 19.Fc
IgG1
sLeX
FYY
FYYD 19.Fc
IgG1
sLeX
FFY
FFYD 19.Fc
IgG1
sLeX
FFF
FFFD 19.Fc
IgG1
YYY N16
FFYDN1619.Fc
IgG1
- O-linked carbohydrate at Thr16

Fig. 19

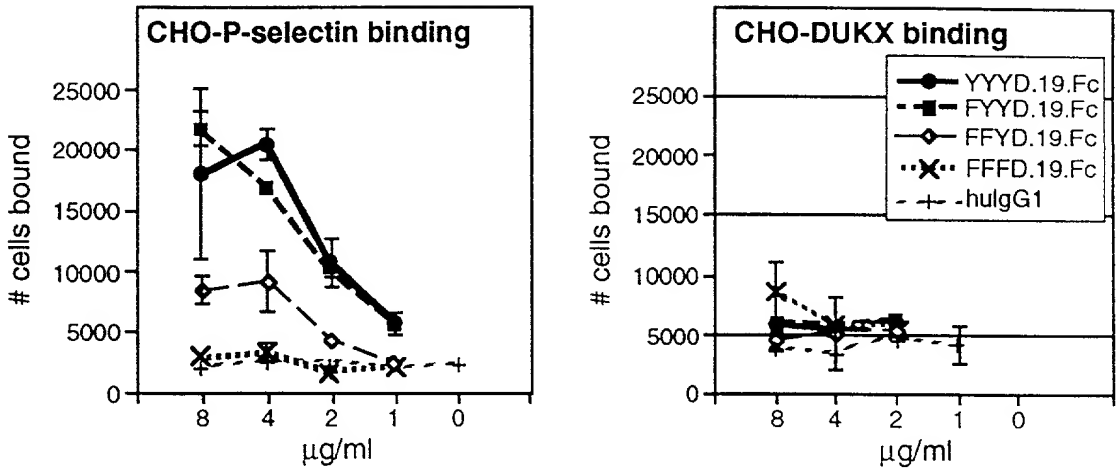

CHO-P-selectin binding
cells bound
25000
20000
15000
10000
5000
0
8
4
2
1
0
µg/ml
CHO-DUKX binding
YYYD.19.Fc
FYYD.19.Fc
FFYD.19.Fc
FFFD.19.Fc
-hulgG1
cells bound
25000
20000
15000
10000
5000
0
8
4
2
1
0
µg/ml

Fig. 20

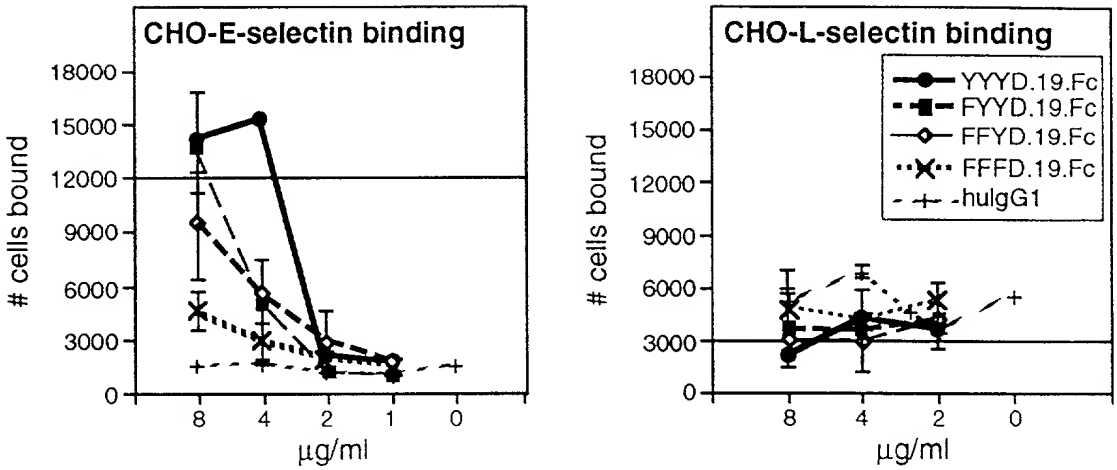

CHO-E-selectin binding
cells bound
18000
15000
12000
9000
6000
3000
0
8
4
2
1
0
µg/ml
CHO-L-selectin binding
YYYD.19.Fc
FYYD.19.Fc
FFYD.19.Fc
FFFD.19.Fc
-hulgG1
cells bound
18000
15000
12000
9000
6000
3000
0
8
4
2
0
µg/ml

Fig. 21

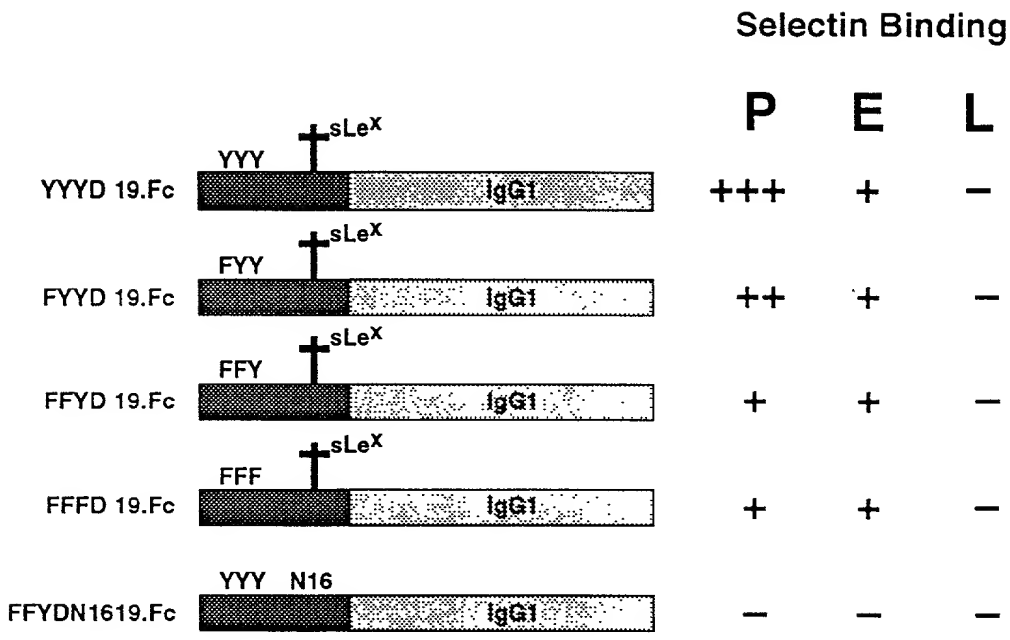

Selectin Binding
P
E
L
sLeX
YYY
YYYD 19.Fc
IgG1
+++
+
–
sLeX
FYY
FYYD 19.Fc
IgG1
++
+
–
sLeX
FFY
FFYD 19.Fc
IgG1
+
+
–
sLeX
FFF
FFFD 19.Fc
IgG1
+
+
–
YYY N16
FFYDN1619.Fc
IgG1
–
–
–

Fig. 22

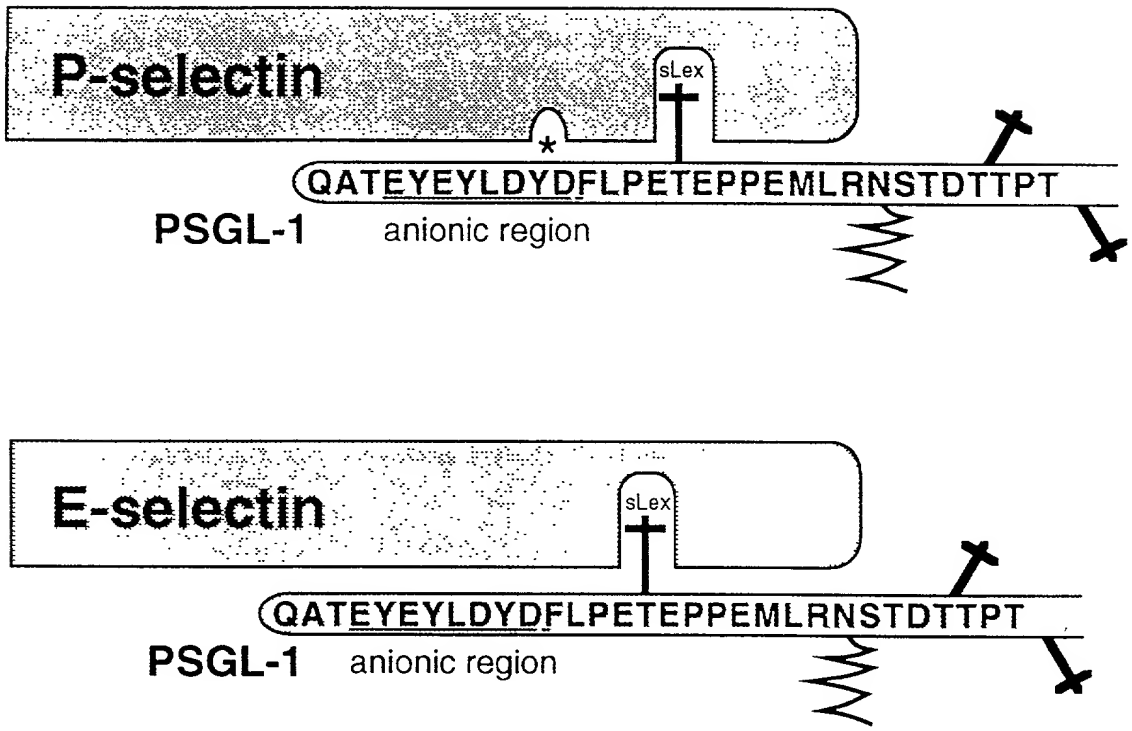

P-selectin
sLex
QATEYEYLDYDFLPETEPPEMLRNSTDTTPT
PSGL-1
anionic region
E-selectin
sLex
QATEYEYLDYDFLPETEPPEMLRNSTDTTPT
PSGL-1
anionic region

Fig. 23

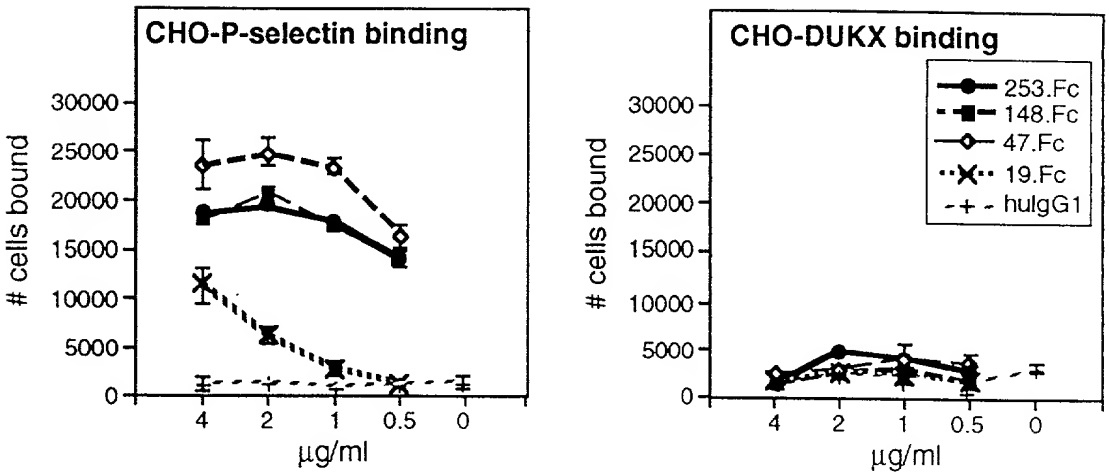

CHO-P-selectin binding
cells bound
30000
25000
20000
15000
10000
5000
0
4
2
1
0.5
0
µg/ml
CHO-DUKX binding
253.Fc
148.Fc
47.Fc
19.Fc
hulgG1

Fig. 24

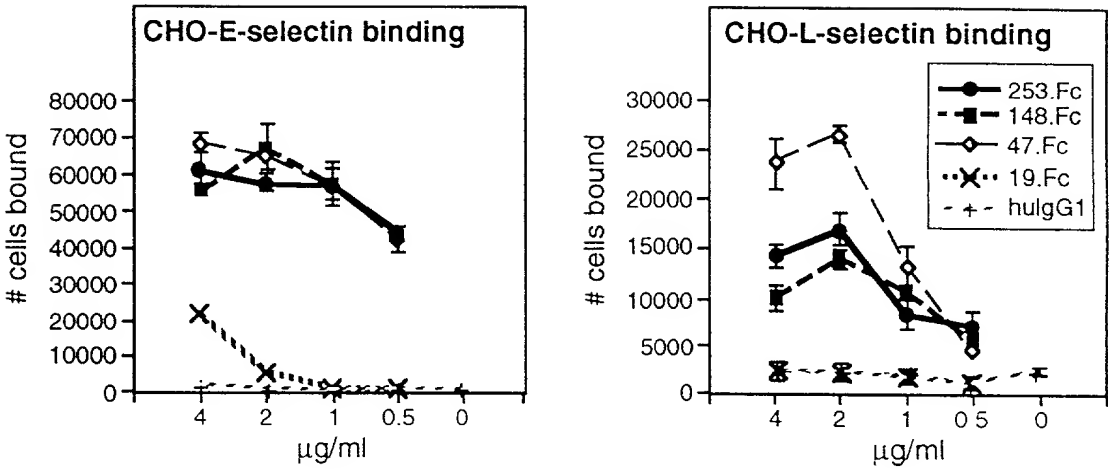
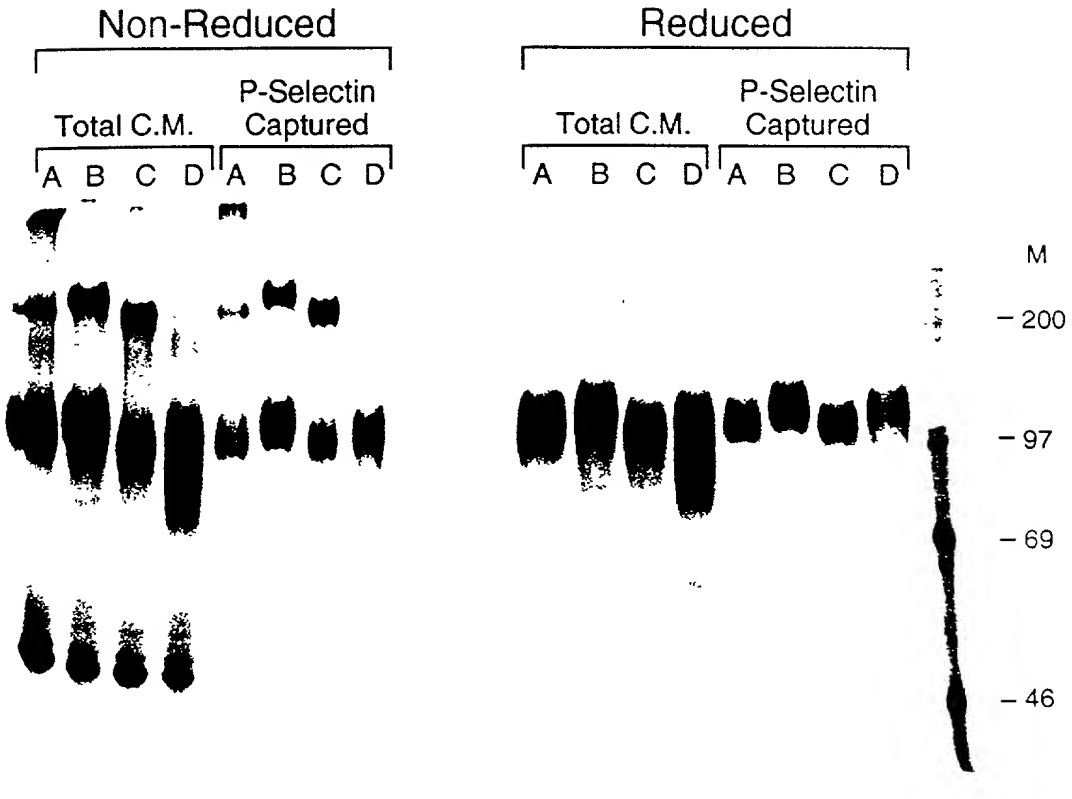

CHO-E-selectin binding
cells bound
80000
70000
60000
50000
40000
30000
20000
10000
0
4
2
1
0.5
0
µg/ml
CHO-L-selectin binding
cells bound
30000
25000
20000
15000
10000
5000
0
4
2
1
0.5
0
µg/ml
253.Fc
148.Fc
47.Fc
19.Fc
hulgG1

Fig. 25



Key:

A - "T7" sPSGL-1

B - "ΔTM" sPSGL-1

C - "I316" sPSGL-1

D - "Qc" sPSGL-1

Fig. 26

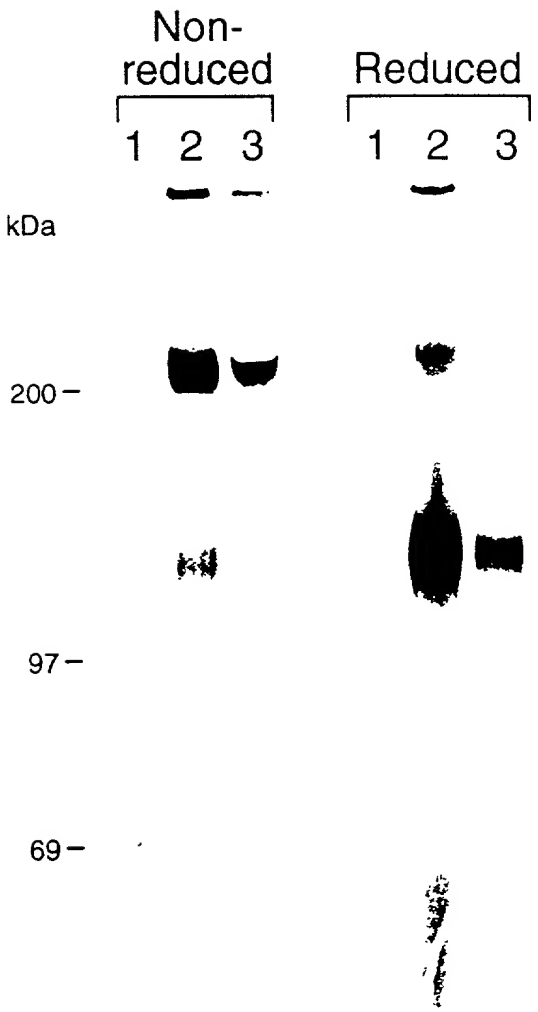


Fig. 27

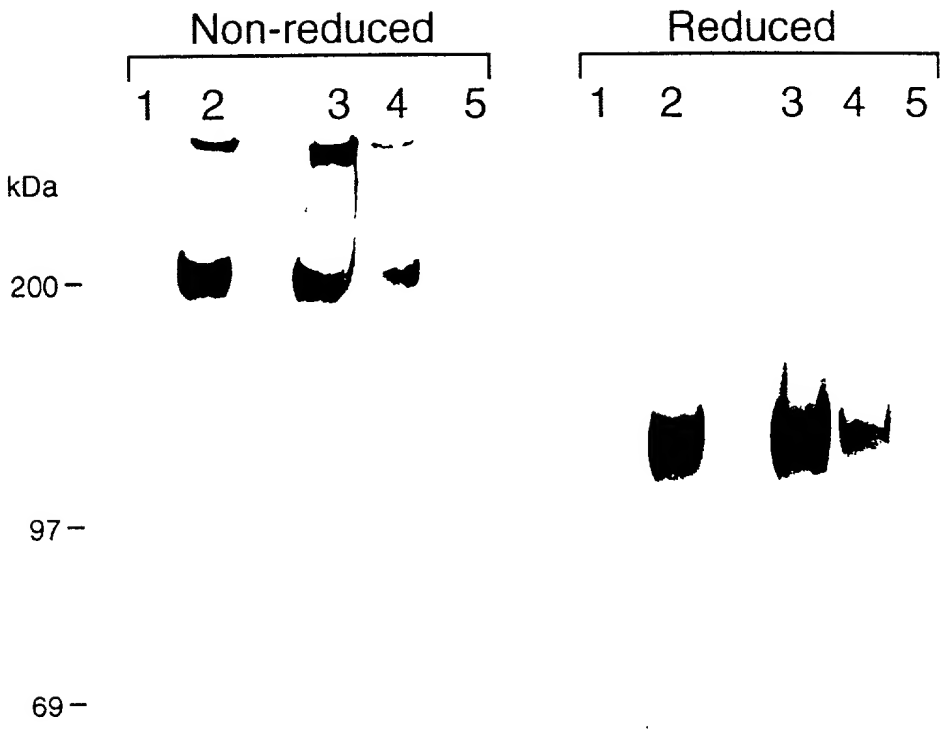


Fig. 28

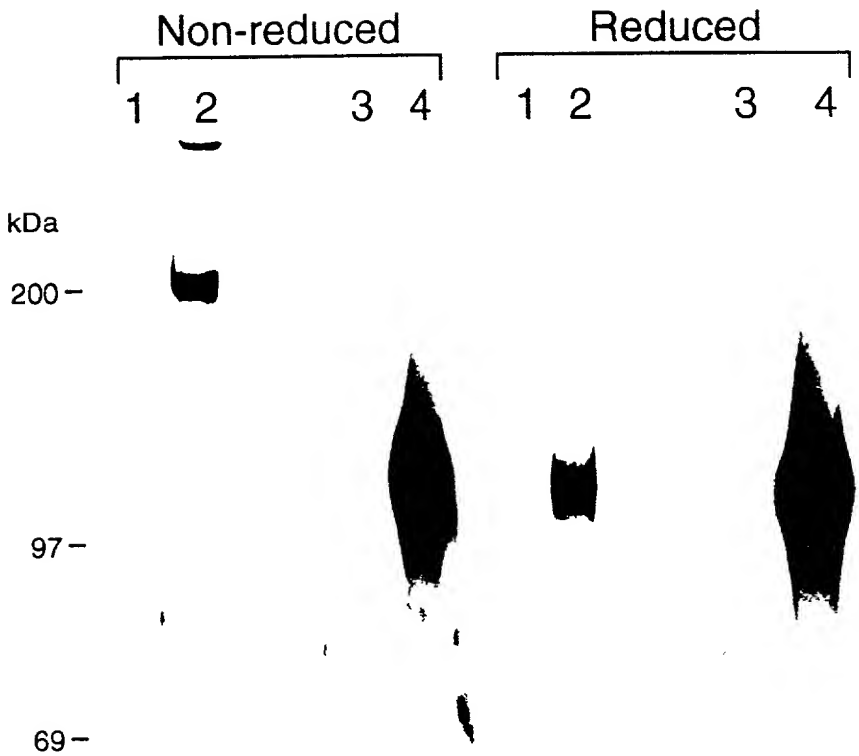


Fig. 29

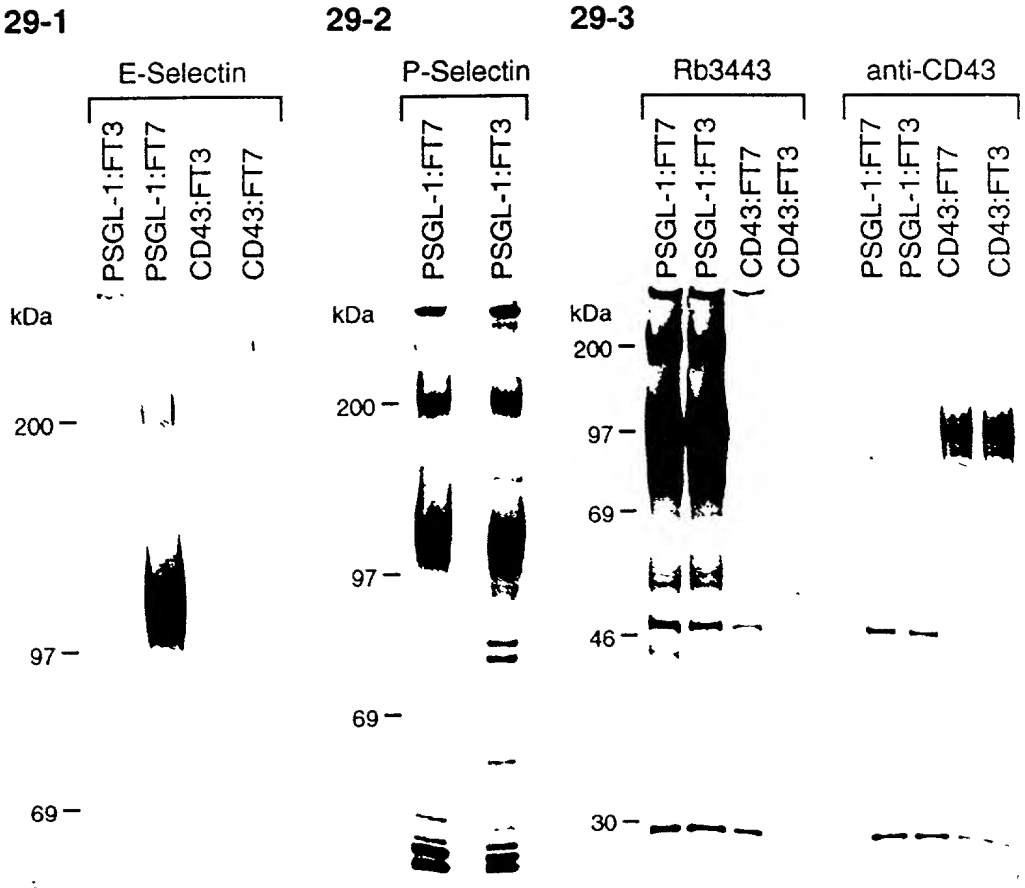

29-1
E-Selectin
PSGL-1:FT3
PSGL-1:FT7
CD43:FT3
CD43:FT7
kDa
200
97
69
29-2
P-Selectin
PSGL-1:FT7
PSGL-1:FT3
kDa
200
97
69
29-3
Rb3443
anti-CD43
PSGL-1:FT7
PSGL-1:FT3
CD43:FT7
CD43:FT3
kDa
200
97
69
46
30

Fig. 30

	E-selectin Inhibition	P-selectin Inhibition
QATEYEYLDYDFLPEC	–	++(~60μM)
TEYEYLDYDF		++
$SY(PO_3)LDY(PO_3)S$	+	+++(~10μM)
$SY(PO_3)LDYS$		+
SYLDYS		–
$SFLDY(PO_3)S$		–
$AcY(PO_3)LDY(PO_3)NH_2$		+
$AcLDY(PO_3)NH_2$		–
$SYLDY(SO_3)S$		–